

MON863 x MON810 x NK603

MON863 x MON810 x NK603 maize is a product of the Monsanto company. It combines a coleopteran- and lepidopteran-specific insect resistance with tolerance to glyphosate herbicides.

MON863 x MON810 x NK603 maize is commercially grown in the USA and in Canada. Additionally, the triple stacked event is approved for import as food and feed in several other countries, including the EU.

MON863 x MON810 x NK603 was obtained by conventional crossing of maize events [MON863](#) [1], [MON810](#) [2] and [NK603](#) [3]. The genetic modification encompasses four genes derived from bacterial sources:

- a cry3Bb1 gene from *Bacillus thuringiensis* ssp. *kumamotoensis*. The gene was inserted in MON863 and encodes a Coleopteran-specific insecticidal protein;
- a nptII gene. The gene was inserted in MON863 and is an antibiotic resistance marker gene encoding the enzyme neomycin phosphotransferase II;
- a truncated cry1Ab gene from *Bacillus thuringiensis*. [Tabela](#) [4] The gene was inserted in MON810 and encodes a Coleopteran-specific insecticidal protein;
- a cp4 epsps gene from *Agrobacterium* sp. The gene was inserted in NK603. The expression of the cp4 epsps gene confers glyphosate-tolerance.

For further information please have a look on the single events [MON863](#) [1], [MON810](#) [2] and [NK603](#) [3]

Related events: [MON863](#) [5]

[Event MON810](#) [6]

[Event NK603](#) [7]

authorization status: import

processing

feed

food

subject to withdrawal and/or bans: none

Genes:

- [cry1Ab](#) [8]
- [cry3Bb1](#) [9]
- [cp4 epsps](#) [10]
- [nptII](#) [11]

GM Event:

- [MON863 x MON810 x NK603](#) [12]

Traits:

- [HT - glyphosate](#) [13]
- [IR - coleoptera](#) [14]
- [IR - lepidoptera](#) [15]
- [antibiotic resistance](#) [16]

[Agbios database entry](#) [17]

Source URL: <https://www.testbiotech.org/en/content/mon863-x-mon810-x-nk603>

Links

- [1] <https://www.testbiotech.org/en/node/12>
- [2] <https://www.testbiotech.org/en/node/26>
- [3] <https://www.testbiotech.org/en/node/39>
- [4] <http://www.tabelareklam.us>
- [5] <https://www.testbiotech.org/en/content/mon863>
- [6] <https://www.testbiotech.org/en/content/event-mon810>
- [7] <https://www.testbiotech.org/en/content/event-nk603>
- [8] <https://www.testbiotech.org/en/taxonomy/term/57>
- [9] <https://www.testbiotech.org/en/taxonomy/term/58>
- [10] <https://www.testbiotech.org/en/taxonomy/term/139>
- [11] <https://www.testbiotech.org/en/taxonomy/term/208>
- [12] <https://www.testbiotech.org/en/taxonomy/term/218>
- [13] <https://www.testbiotech.org/en/taxonomy/term/44>
- [14] <https://www.testbiotech.org/en/taxonomy/term/45>
- [15] <https://www.testbiotech.org/en/taxonomy/term/46>
- [16] <https://www.testbiotech.org/en/taxonomy/term/203>
- [17] <http://www.agbios.com/dbase.php?action=Submit&evidcode=MON863%20x%20MON810%20x%20NK603>

